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TITLE : MANUFACTURE OF OXYGEN ABSORBENT

ABSTRACT : PURPOSE: To permit the manufacturing of a self-reactive oxygen absorbent excellent in quality on a constant basis by placing the powder consisting of iron powder and metal halide and the porous granulated substance impregnated with aq. metal halide soln. into a gas-permeable container.

CONSTITUTION: After metal halide has been dissolved in water or other solvent, the water is made to evaporate to attach the metal halide firmly on the surface of iron powder (the resulting powder is referred to as component A). After placing porous granulated substance into a mixer, aq. metal halide soln. obtained from a predetermined amt. of the metal halide and water is sprinkled and a cycle of the mixing and standing is repeated a few times so as to prepare porous granulated substance (component B) uniformly impregnated with the aq. metal halide soln. The aforesaid components A and B are placed into a gas-permeable container formed of a gas-permeable substrate such as paper, nonwoven fabric, etc., to form an oxygen absorbent. The components A and B may or may not be contacted with each other immediately before the reception thereof into the container.

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